

# A contribution to the Flora of Salsette Island, Bombay (Malad-Madh Area)

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## INTRODUCTION

Though many distinguished botanists have explored various parts of Bombay, none seems to have paid particular attention to Bombay and Salsette islands. The area selected for the present study covers much of the western part of Salsette Island, just north of Bombay city and island. The area of Malad-Madh is divided into two rather unequal parts by the Western Railway, which runs NS. The portion on the eastern side of the railway line consists of cultivated fields just above sea-level, with an occasional hill rising up to 100 m. The western portion of the area covers Madh Island, and is separated by Malad Creek; a large part of this section is covered by mud flats which, at high tide, become fully submerged.

The climate of the area is of the monsoon type, with a rainless and comparatively cool season from November to February, a hot dry season from March to May, and very wet season during June to September. The average rainfall for the area is 220 cm. going up to a maximum of 350 cm. and a minimum of 156 cm.

There is practically no spot in the area, which has not been subjected to very drastic deforestation; constant cutting of woody species, overgrazing on the herbaceous plants, and summer fires have all combined to turn the area into a very poor type of Southern Moist Deciduous Forest, or of Deciduous Monsoon Forest, to use the terminology of Champion. With the advent of the monsoon, however, the ground becomes covered with dense herbaceous vegetation; the cultivated fields soon turn a brilliant green with *Oryza sativa* Linn. covering almost every inch of their surface.

Along the sea shores and sea creek the typical mangrove vegetation can be seen throughout the year; but even here there is constant cutting of woody species either for firewood or for the tanning of fishing nets.

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It is rare to see any mangrove tree over 3 metres in height in the area.

In the following enumeration, the order is the same as that of Cooke's FLORA OF THE PRESIDENCY OF BOMBAY; the nomenclature is generally that of Cooke's FLORA, occasionally the name has been changed to what in our opinion is the correct scientific name of the plant. An asterisk before the name indicates that the plant is not listed by Cooke. In all 640 taxa of plants are enumerated, most of them collected by the junior author in the field during the years 1954-1960; all the specimens on which this paper is based are housed in Blatter Herbarium, St. Xavier's College, Bombay.

ENUMERATION OF PLANTS

RANUNCULACEAE

*Clematis hedysarifolia* DC.

*Cleome chelidonii* Linn. f.

*C. gynandra* Linn.

*C. viscosa* Linn.

ANNONACEAE

*Annona squamosa* Linn.

VIOLACEAE

*Hybanthus enneaspermus* (Linn.)

F. Muell.

MENISPERMACEAE

*Cissampelos pareira* Linn.

*Cocculus hirsutus* (Linn.) Diels

*Cyclea burmanni* (DC.) Hook.f.

*Tinospora cordifolia* (Willd.)

Miers ex Hook. f. & Thoms.

FLACOURTIACEAE

*Flacourtia indica* (Burm.f.) Merrill

POLYGALACEAE

*Polygala chinensis* Linn.

NYMPHAEACEAE

*Nymphaea nouchali* Burm. f.

*N. stellata* Willd.

CARYOPHYLLACEAE

*Polycarpon prostratum* (Forsk.)

Aschers. & Schweinf.

PAPAVERACEAE

*Argemone mexicana* Linn.

PORTULACACEAE

*Portulaca oleracea* Linn.

CRUCIFERAE

*Brassica nigra* (Linn.) Koch

*Raphanus sativus* Linn.

ELATINACEAE

*Bergia ammannioides* Heyne ex

Roth

*B. capensis* Linn.

CAPPARIDACEAE

*Cadaba fruticosa* (Linn.) Druce

*Capparis sepiaria* Linn.

*C. zeylanica* Linn.

*Cleome burmanni* Wt. & Arn.

GUTTIFERAE

*Calophyllum inophyllum* Linn.

*Mammea suriga* (Buch.-Ham. ex

Roxb.) Kosterm.

## MALVACEAE

- Abelmoschus esculentus* (Linn.)  
Moench.  
*A. manihot* (Linn.) Medic.  
*Abutilon indicum* (Linn.) Sw.  
*Azanza lampas* (Cav.) Alef.  
*Hibiscus cannabinus* Linn.  
*H. furcatus* Willd.  
*H. lobatus* (Murr.) O. Kuntze  
*H. vitifolius* Linn.  
*Malachra capitata* Linn.  
*Sida acuta* Burm. f.  
*S. cordifolia* Linn.  
*S. rhombifolia* L. var. *retusa*  
(Linn.) Masters  
*S. spinosa* Linn.  
*S. veronicifolia* Lamk.  
*Thespesia populnea* (Linn.) Soland.  
ex Corr.  
*Urena lobata* Linn.  
*Bombax ceiba* Linn.

## STERCULIACEAE

- Helicteres isora* Linn.  
*Melochia corchorifolia* Linn.  
*Sterculia foetida* Linn.  
*S. villosa* Roxb. ex DC.  
*S. urens* Roxb.  
*Waltheria indica* Linn.

## TILIACEAE

- Corchorus aestuans* Linn.  
*C. fascicularis* Lamk.  
*C. olitorius* Linn.  
*Grewia abutilifolia* Vent. ex Juss.  
*G. columnaris* Sm.  
*G. disperma* Rottl. ex Spreng.  
*G. subinaequalis* DC.  
*G. tiliaefolia* Vahl.  
*Microcos paniculata* Linn.  
\**Triumfetta pentandra* A. Rich.  
*T. rhomboidea* Jacq.  
*T. rotundifolia* Lamk.

## BALSAMINACEAE

- Impatiens balsamina* Linn. var.  
*balsamina*

## OXALIDACEAE

- Biophytum sensitivum* (Linn.) DC.  
*Oxalis corniculata* Linn.

## RUTACEAE

- Aegle marmelos* Corr.  
*Feronia limonia* (Linn.) Sw.

## BURSERACEAE

- Garuga pinnata* Roxb.

## MELIACEAE

- Azadirachta indica* (Linn.) A.  
Juss.

## OPILIACEAE

- Cansjera rheedii* Gmel.

## CELASTRACEAE

- Celastrus paniculata* Willd.

## RHAMNACEAE

- Zizyphus glabrata* Heyne ex Roth  
*Z. mauritiana* Lamk.  
*Z. oenoplia* Mill.  
*Z. rugosa* Lamk.

## VITACEAE

- Ampelocissus latifolia* (Roxb.)  
Planch.  
*Cayratia carnosa* Gangnep.  
*Cissus repanda* Vahl  
*Leea cinerea* Laws.  
*L. edgeworthii* Santapau  
*L. macrophylla* Roxb. ex Hornem.

## SAPINDACEAE

- Sapindus laurifolius* Vahl  
*Cardiospermum halicacabum* Linn.

## ANACARDIACEAE

- Anacardium occidentale* Linn.  
*Buchanania lanzan* Spreng.  
*Lannea coromandelica* (Houtt.)  
 Merrill  
*Mangifera indica* Linn.  
*Semecarpus anacardium* Linn.f.

## MORINGACEAE

- Moringa oleifera* Lamk.

## PAPILIONACEAE

- Abrus precatorius* Linn.  
*Aeschynomene indica* Linn.  
*Alysicarpus bupleurifolius* (Linn.)  
 DC.  
*A. longifolius* (Rottl.) Wt. & Arn.  
*A. procumbens* (Roxb.) Schindl.  
*A. glumaceus* (Vahl) DC.  
*A. vaginalis* (Linn.) DC.  
*Atylosia scarabaeoides* (Linn.)  
 Benth.  
*Butea monosperma* (Lamk.) Taub.  
*B. parviflora* Roxb.  
*Cajanus cajan* Millsp.  
*Canavalia gladiata* (Jacq.) DC.  
*Cicer arietinum* Linn.  
*Clitoria biflora* Dalz.  
*C. ternatea* Linn.  
*Crotalaria albida* Heyne ex Roth  
*C. filipes* Benth.  
*C. juncea* Linn.  
*C. leptostachya* Benth.  
*C. medicaginea* Lamk.  
*C. retusa* Linn.  
*C. triquetra* Dalz.  
*Cylista scariosa* Roxb.  
*Dalbergia volubilis* Roxb.  
*Derris scandens* (Roxb.) Benth.  
*Desmodium dichotomum* (Willd.)  
 DC.  
*D. gangeticum* (Linn.) DC.  
*D. laxiflorum* DC.  
*Desmodium triangulare* var. *con-*  
*gestum* Santapau  
*D. triflorum* (Linn.) DC.  
*D. triquetrum* (Linn.) DC.  
*Dolichos lablab* Linn.  
*Dunbaria glandulosa* (Dalz. &  
 Gibs.) Prain  
*Erythrina indica* Lamk.  
*Geissaspis cristata* Wt. & Arn.  
*Gliricidia sepium* (Jacq.) Walp.  
*Indigofera cordifolia* Heyne ex  
 Roth  
*I. glandulosa* Roxb. ex Willd.  
*I. astragalina* DC.  
*I. linifolia* Retz.  
*I. linnaei* Ali  
*I. trifoliata* Linn.  
*I. tinctoria* Linn.  
*Lathyrus sativus* Linn.  
*Moghania tuberosa* (Dalz.) O.  
 Kuntze  
*Mucuna prurita* Hk.f.  
*Phaseolus radiatus* Linn.  
*P. trilobus* Ait.  
*Pisum sativum* Linn.  
*Pongamia pinnata* (Linn.) Pierre  
*Pterocarpus marsupium* Roxb. var.  
*acuminatus* Prain  
*Pueraria tuberosa* (Roxb. ex  
 Willd.) DC.  
 \**Rhynchosia rothii* Benth. ex  
 Aitch.  
*Sesbania bispinosa* (Jacq.) W. F.  
 Wight  
*S. grandiflora* (Linn.) Pers.  
*S. sesban* (Linn.) Merrill var.  
*picta* (Prain) Santapau  
*Smithia sensitiva* Ait.  
*S. conferta* Sm.  
*S. salsuginea* Hance  
*Tephrosia senticosa* Pers.  
*T. purpurea* (Linn.) Pers.  
*T. strigosa* (Dalz.) Santapau &  
 Maheshwari

*Teramnus labialis* (Linn.f.) Spreng.  
*Trigonella foenum-graecum* Linn.  
 \**Urania rufescens* (DC.) Schindl.  
*Vigna capensis* Walp.  
*V. unguiculata* (Linn.) Walp.  
*Zornia gibbosa* Span.

## CAESALPINIACEAE

*Bauhinia purpurea* Linn.  
*B. racemosa* Lamk.  
*Caesalpinia crista* Linn.  
*Cassia absus* Linn.  
*C. occidentalis* Linn.  
*C. pumila* Lamk.  
*C. siamea* Lamk.  
*C. tora* Linn.  
*Delonix regia* (Boj.) Ref.  
*Tamarindus indica* Linn.

## MIMOSACEAE

*Acacia nilotica* (Linn.) Del. ssp.  
*indica* Brenan  
*A. pennata* (Linn.) Willd.  
*Leucaena leucophloea* (Lamk.) de  
 Wit  
*Mimosa pudica* Linn.  
*Pithecolobium dulce* (Roxb.)  
 Benth.

## VAHLIACEAE

*Vahlia digyna* (Retz.) O. Kuntze

## DROSERACEAE

*Drosera indica* Linn.

## RHIZOPHORACEAE

*Ceriops tagal* (Perr.) C. B. Robins  
*Rhizophora mucronata* Lamk.

## COMBRETACEAE

*Anogeissus latifolia* (Roxb.) Wall.  
 ex Bedd.  
*Calycopteris floribunda* (Roxb.)  
 Lamk.

*Combretum ovalifolium* Roxb.  
*Lumnitzera racemosa* Willd.

## MYRTACEAE

*Syzygium cumini* (Linn.) Skeels  
*Careya arborea* Roxb.  
*Memecylon umbellatum* Burm. f.  
*Osbeckia truncata* Don

## LYTHRACEAE

*Ammannia baccifera* Linn.  
*A. multiflora* Roxb.  
*Lawsonia inermis* Linn.  
*Rotala densiflora* (Roth) Koehne  
*R. indica* (Willd.) Koehne  
*Woodfordia fruticosa* (Linn.) Kurz

## ONAGRACEAE

*Ludwigia octovalvis* ssp. *sessiliflora*  
 Raven  
*L. perennis* Linn.

## TRAPACEAE

*Trapa natans* Linn. var. *bispinosa*  
 Makino

## SAMYDACEAE

*Casearia elliptica* Willd.  
*C. graveolens* Dalz.

## TURNERACEAE

\**Turnera ulmifolia* Linn.

## PASSIFLORACEAE

*Passiflora foetida* Linn.

## CARICACEAE

*Carica papaya* Linn.

## CUCURBITACEAE

*Citrullus lanatus* (Thunb.) Mansf.  
*Coccinia cordifolia* (Linn.) Cogn.  
*Cucumis callosus* (Rottl.) Cogn.  
*Cucurbita maxima* Duch.

*Diplocyclos palmatus* (Linn.)  
Jeffrey  
*Lagenaria leucantha* (Duch.)  
Rusby  
*Luffa acutangula* (Linn.) Roxb.  
*L. cylindrica* (Linn.) Roem.  
*Mukia maderaspatana* (Linn.) M.  
Roem.  
*Solena heterophylla* Lour.  
*Momordica charantia* Linn.  
*M. dioica* Roxb. ex Willd.  
*Trichosanthes anguina* Linn.  
*T. cucumerina* Linn.

## CACTACEAE

*Opuntia elatior* Mill.

## FICOIDACEAE

*Sesuvium portulacastrum* (Linn.)  
Linn.  
*Trianthema portulacastrum* Linn.

## MOLLUGINACEAE

*Glinus lotoides* Linn.  
*G. oppositifolius* (Linn.) DC.  
*Mollugo pentaphylla* Linn.

## UMBELLIFERAE

*Coriandrum sativum* Linn.

## RUBIACEAE

*Adina cordifolia* (Roxb.) Benth. &  
Hk. f. ex Brandis  
*Borreria articularis* F.N. Will.  
*B. stricta* (Linn. f.) Schum.  
*Dentella repens* Forst.  
*Ixora brachiata* Roxb.  
*I. coccinea* Linn.  
*Meyna laxiflora* Robyns  
*Mitragyna parvifolia* (Roxb.)  
Korth.  
*Morinda tomentosa* Heyne ex Roth  
*Neanotis foetida* (Hook.f.) Lewis  
*Oldenlandia corymbosa* Linn.  
*Xeromphis spinosa* (Thunb.) Keay

## COMPOSITAE

\**Acanthospermum hispidum* DC.  
*Ageratum conyzoides* Linn.  
*Bidens biternata* (Lour.) Merrill &  
Sherff.  
*Blainvillea acmella* (Linn.) Philip.  
*Blumea eriantha* DC.  
*B. membranacea* DC.  
*B. mollis* (Don) Merrill  
*B. obliqua* (Linn.) Druce  
*B. oxyodonta* DC.  
*Caesulia axillaris* Roxb.  
*Centratherum phyllolaenum* (DC.)  
Benth.  
*Eclipta prostrata* (Linn.) Linn.  
*Elephantopus scaber* Linn.  
*Emilia sonchifolia* (Linn.) DC.  
*Epaltes divaricata* Cass.  
*Gnaphalium indicum* Linn.  
*Grangea maderaspatana* (Linn.)  
Poir.  
*Guzotia abyssinica* Cass.  
*Laggera aurita* (Linn. f.) Sch.-Bip.  
*Launaea fallax* (Jaub. & Spach.)  
O. Kuntze  
*L. sarmentosa* (Willd.) Alst.  
*Sphaeranthus africanus* Linn.  
*S. indicus* Linn.  
\**Synedrella nodiflora* (Linn. ex  
Willd.) Gaertn.  
*Tricholepis glaberrima* DC.  
*Tridax procumbens* Linn.  
*Vernonia anthelmintica* (Linn.)  
Willd.  
*V. cinerea* (Linn.) Less.  
*Vicoa indica* (Willd.) DC.  
*Xanthium strumarium* Linn.

CAMPANULACEAE

*Sphenoclea zeylanica* Gaertn.

LOBELIACEAE

*Lobelia alsinoides* Lamk.

## PLUMBAGINACEAE

*Plumbago zeylanica* Linn.

## MYRSINACEAE

*Aegiceras corniculatum* (Linn.)

Blanco

*Embelia tsjariam-cottam* (Roem. & Schult.) DC.

## SAPOTACEAE

*Madhuca indica* Gmel.*Manilkara hexandra* (Roxb.) Dub.

## EBENACEAE

*Diospyros melanoxyton* Roxb.

## OLEACEAE

*Jasminum malabaricum* Wt.*J. multiflorum* (Burm.) Andr.

## SALVADORACEAE

*Salvadora persica* Linn.

## APOCYNACEAE

*Carissa congesta* Wt.*Catharanthus roseus* (Linn.) Don*Holarrhena antidysenterica* Wall.  
ex A. DC.*Nerium indicum* Mill.*Thevetia peruviana* (Pers.) Merrill

## ASCLEPIADACEAE

*Calotropis gigantea* (Linn.) R. Br.*Ceropegia bulbosa* Roxb.*Dregea volubilis* (Linn.f.) Benth.  
ex Hook. f.*Holostemma annulare* (Roxb.)  
Schum.*Leptadenia reticulata* (Retz.)  
Wt. & Arn.*Oxystelma secamone* (Linn.)  
Karst.*Pentatropis spiralis* (Forsk.)  
Decne.*Pergularia daemia* (Forsk.) Chiov.

## PERIPLOCACEAE

*Cryptolepis buchmanii* Roem. & Schult.*Hemidesmus indicus* (Linn.)  
Schult.

## LOGANIACEAE

*Cynoctonum mitreola* (Linn.) Britt.

## GENTIANACEAE

*Canscora diffusa* (Vahl) R. Br.*Centaurium roxburghii* (Don)  
Druce*Enicostemma verticillatum* (Willd.)  
Baill.*Exacum pedunculatum* Linn.*E. pumilum* Griesb.*Hoppea dichotoma* Willd.*Nymphoides cristatum* (Roxb.) O.  
Kuntze*N. indicum* (Linn.) O. Kuntze

## HYDROPHYLLACEAE

*Hydrolea zeylanica* (Linn.) Vahl

## BORAGINACEAE

*Coldenia procumbens* Linn.*Cordia obliqua* Willd.*Heliotropium indicum* Linn.*H. marifolium* Retz.*H. marifolium* Retz. var. *laxiflora*  
Cooke*H. ovalifolium* Forsk.*Trichodesma amplexicaule* Roth

## CONVOLVULACEAE

*Argyreia sericea* Dalz.*Cressa cretica* Linn.*Cuscuta reflexa* Roxb.*Evolvulus alsinoides* (Linn.) Linn.*E. nummularius* Linn.*Ipomoea aquatica* Forsk.*I. cairica* (Linn.) Sw.*I. eriocarpa* R. Br.

*Ipomoea fistulosa* Mart. ex Choisy  
*I. hederifolia* Linn.  
*I. mauritiana* Jacq.  
*I. muricata* (Linn.) Jacq.  
*I. nil* (Linn.) Roth  
*I. obscura* (Linn.) Ker-Gawl.  
*I. pes-caprae* (Linn.) R. Br.  
*I. pes-tigridis* Linn.  
*I. quamoclit* Linn.  
*I. sepiaria* Koen. ex Roxb.  
*I. triloba* Linn.  
*Jacquemontia paniculata* (Burm.f.)  
 Hall. f.  
*Merremia aegyptia* (Linn.) Urb.  
*M. gangetica* (Linn.) Cufodont  
 \**M. quinquefolia* (Linn.) Hall.f.  
*M. tridentata* (Linn.) Hall.f.  
*Rivea hypocrateriformis* Choisy

## SOLANACEAE

*Datura metel* Linn.  
 \**Physalis longifolia* Nutt.  
*P. minima* Linn.  
*Solanum indicum* Linn.  
*S. nigrum* Linn.  
*S. surattense* Burm. f.

## SCROPHULARIACEAE

*Centranthera indica* (Linn.)  
 Gamble  
*Dopatrium junceum* (Roxb.)  
 Buch.-Ham.  
*Limnophila indica* (Linn.) Druce  
*L. sessiliflora* (Vahl) Blume  
*Lindernia antipoda* (Linn.) Alst.  
*L. ciliata* (Colsm.) Pennell  
*L. crustacea* (Linn.) Muell.  
*L. oppositifolia* (Retz.) Mukerjee  
*L. parviflora* (Roxb.) Haines  
*L. viscosa* (Hornem.) Boldingh  
*Peplidium maritimum* (Linn.f.)  
 Wettst.  
*Rhamphicarpa longiflora* (Arn.)  
 Benth.

*Scoparia dulcis* Linn.  
*Sopubia delphinifolia* (Roxb.) Don  
*Stemodia viscosa* Roxb.  
*Striga lutea* Lour. var. *lutea*  
*S. angustifolia* (Don) Saldhana  
*Torenia asiatica* Linn.

## LENTIBULARIACEAE

*Utricularia flexuosa* Vahl  
*U. reticulata* Sm.  
*U. inflexa* Forsk. var. *stellaris*  
 (Linn.f.) Taylor

## BIGNONIACEAE

*Heterophragma quadriloculare*  
 (Roxb.) K. Schum.  
*Oroxylum indicum* (Linn.) Vent.  
*Stereospermum personatum*  
 (Hassk.) Chatterjee

## PEDALIACEAE

*Pedaliium murex* Linn.  
*Sesamum indicum* Linn.

## MARTYNIACEAE

*Martynia annua* Linn.

## ACANTHACEAE

*Acanthus ilicifolius* Linn.  
*Andrographis paniculata* (Burm.f.)  
 Wall. ex Nees  
*Barleria prattensis* Santapau  
*B. prionitis* Linn.  
*Blepharis asperrima* Nees  
*B. maderaspatensis* (Linn.) Roth  
*B. molluginifolia* Pers.  
*Dicliptera verticillata* (Forsk.)  
 Christ.  
*Dipteracanthus prostratus* (Poir.)  
 Nees  
*Ecbolium viride* (Forsk.) Alst. var.  
*dentata* Raizada  
*Eranthemum roseum* (Vahl) R. Br.



*Gantelbua urens* (Heyne ex Roth)  
Bremek.

*Gendarussa vulgaris* Nees

*Haplanthus nilgherrensis* Wt.

*Hemiadelphis polyspermus* Nees

*Hemigraphis latebrosa* Nees var.  
*heyneana* Bremek.

*Hygrophila auriculata* (Schumach.)  
Heine

*H. serpyllum* (Nees) T. Anders.

*Justicia procumbens* Linn.

*J. simplex* D. Don

*Lepidagathis cuspidata* Nees

*L. trinervis* Nees

*Neuracanthus sphaerostachyus*  
(Nees) Dalz.

*Peristrophe bicalyculata* (Retz.)  
Nees

*Rhinacanthus nasuta* (Linn.) Kurz

\**Ruellia tuberosa* Linn.

*Rungia pectinata* (Linn.) Nees

*R. repens* (Linn.) Nees

#### VERBENACEAE

*Avicennia alba* Blume

*A. officinalis* Linn.

*Clerodendrum inerme* (Linn.)  
Gaertn.

*C. multiflorum* (Burm.f.)  
O. Kuntze

*Gmelina arborea* Roxb.

*Lantana camara* Linn. var.

*aculeata* (Linn.) Moldenke

*Phyla nodiflora* (Linn.) Greene

*Premna corymbosa* (Burm.f.)  
Rottl.

*Tectona grandis* Linn.f.

#### LABIATAE

*Anisomeles heyneana* Benth.

*Hyptis suaveolens* (Linn.) Poit.

*Leucas aspera* (Willd.) Spreng.

*L. mollissima* Benth.

*Ocimum americanum* Linn.

*Ocimum basilicum* Linn.

*O. gratissimum* Linn.

*Orthosiphon glabratus* Benth.

*Pogostemon parviflorus* Benth.

#### NYCTAGINACEAE

*Boerhavia diffusa* Linn.

#### AMARANTACEAE

*Achyranthes aspera* Linn.

*Aerva lanata* (Linn.) Juss.

\**Alternanthera ficoidea* (Linn.)  
R. Br.

\**A. pungens* H.B.K.

*A. sessilis* (Linn.) R. Br.

*Amaranthus hybridus* Linn. ssp.  
*cruentus* (Linn.) Thell. var.  
*paniculatus* (Linn.) Thell.

*A. spinosus* Linn.

*A. tricolor* Linn.

*A. viridis* Linn.

*Celosia argentea* Linn.

*Digera muricata* (Linn.) Mart.

\**Gomphrena celosioides* Mart.

*Nothosaerva brachiata* (Linn.) Wt.

#### BASELLACEAE

*Basella rubra* Linn.

#### CHENOPODIACEAE

*Arthrocnemum indicum* (Willd.)  
Moq.

*Suaeda fruticosa* (Linn.) Forsk.

#### POLYGONACEAE

*Antigonon leptopus* Hk. & Arn.

*Polygonum glabrum* Willd.

*P. plebeium* R. Br.

#### ARISTOLOCHIACEAE

*Aristolochia indica* Linn.

#### PIPERACEAE

*Peperomia pellucida* (Linn.)

H.B.K.

## LAURACEAE

- Cassytha filiformis* Linn.  
*Litsea deccanensis* Gamble

## LORANTHACEAE

- Dendrophthoe falcata* (Linn.f.)  
Ettings.  
*Viscum articulatum* Burm. f.

## EUPHORBIACEAE

- Acalypha indica* Linn.  
*Breynia patens* Rolfe.  
*Bridelia hamiltoniana* Wall. ex  
Muell.  
*B. retusa* (Linn.) Spreng.  
\**B. squamosa* (Lamk.) Gehrm.  
*Chrozophora prostrata* Dalz.  
*Euphorbia bombaiensis* Santapau  
*E. hirta* Linn.  
*E. neriifolia* Linn.  
*E. parviflora* Linn.  
*Excoecaria agallocha* Linn.  
*Jatropha gossypifolia* Linn.  
*Kirganelia reticulata* (Poir.) Baill.  
*Mallotus philippensis* (Lamk.)  
Muell.-Arg.  
*Phyllanthus fraternus* Webster  
*P. maderaspatensis* Linn.  
*P. urinaria* Linn.  
*Ricinus communis* Linn.  
*Securinega leucopyrus* (Willd.)  
Muell.-Arg.  
*S. virosa* (Roxb. ex Willd.) Pax &  
Hoffm.  
*Trewia polycarpa* Benth. &  
Hook.f. ex Hook.f.

## ULMACEAE

- Holoptelea integrifolia* (Roxb.)  
Planch.  
*Trema orientalis* (Linn.) Lour.

## URTICACEAE

- Fleurya interrupta* (Linn.) Gaud.

- Pilea microphylla* (Linn.) Liebm.  
*Pouzolzia zeylanica* (Linn.) Benn.

## MORACEAE

- Ficus asperrima* Roxb.  
*F. bengalensis* Linn.  
*F. drupacea* Thunb. var. *pubescens*  
(Roth) Corner  
*F. hispida* Linn.f.  
*F. racemosa* Linn.  
*F. religiosa* Linn.  
*F. tinctoria* Forst. f. ssp. *parasitica*  
King var. *parasitica*  
*F. virens* Ait.  
*Streblus asper* Lour.

## CASUARINACEAE

- Casuarina equisetifolia* Forst.

## CERATOPHYLLACEAE

- Ceratophyllum demersum* Linn.

## HYDROCHARITACEAE

- Blyxa echinosperma* (Clke.)  
Hook.f.  
*Hydrilla verticillata* (Linn.f.)  
Royle  
*Ottelia alismoides* (Linn.) Pers.

## ORCHIDACEAE

- Acampe praemorsa* (Roxb.)  
Blatter & McCann  
*Dendrobium ovatum* (Willd.)  
Kranzl.  
*Habenaria marginata* Coleb.  
*Rhynchostylis retusa* (Linn.) Blume

## ZINGIBERACEAE

- Costus speciosus* (Koenig ex  
Roxb.) Smith  
\**Curcuma inodora* Blatter

## HYPOXIDACEAE

- Curculigo orchioides* Gaertn.

## TACCACEAE

- Tacca leontopetaloides* (Linn.)  
O. Kuntze

## DIOSCOREACEAE

- \* *Dioscorea belophylla* Voigt  
*D. bulbifera* Linn.  
*D. pentaphylla* Linn.  
\* *D. wallichii* Hk.f.

## LILIACEAE

- Asparagus racemosus* Willd. var.  
*javanica* Baker  
*Chlorophytum tuberosum* (Roxb.)  
Baker  
*Gloriosa superba* Linn.  
*Iphigenia indica* (Linn.) Gray  
*Scilla hyacinthina* (Roth) Macbr.  
*Urginea indica* (Roxb.) Kunth

## SMILACACEAE

- Smilax zeylanica* Linn.

## COMMELINACEAE

- Commelina benghalensis* Linn.  
*C. diffusa* Burm. f.  
*C. hasskarlii* Clke.  
*C. paleata* Hassk.  
*Cyanotis axillaris* (Linn.) Schult.  
*C. cristata* (Linn.) Schult.  
*C. fasciculata* (Heyne ex Roth)  
Schult.  
*Murdannia nudiflorum* (Linn.)  
Brenan  
*M. semiteres* (Dalz.) Santapau  
*M. spiratum* (Linn.) Brüeck.  
*M. versicolor* (Dalz.) Brüeck.

## PALMAE

- Borassus flabellifer* Linn.  
*Caryota urens* Linn.  
*Cocos nucifera* Linn.  
*Phoenix sylvestris* (Linn.) Roxb.

## PANDANACEAE

- Pandanus tectorius* Soland. ex  
Parkinson

## TYPHACEAE

- Typha angustata* Bory & Chaub.

## ARACEAE

- Amorphophallus campanulatus*  
(Roxb.) Blume ex Decais.  
*A. commutatus* (Schott) Engler  
*Colocasia esculenta* (Linn.) Schott.

## ALISMACEAE

- Limnophyton obtusifolium* (Linn.)  
Miq.

## APONOGETONACEAE

- Aponogeton natans* (Linn.) Krause  
& Engler

## ERIOCAULACEAE

- \* *Eriocaulon diana*e Fyson  
\* *E. diana*e Fyson var. *longibrac-*  
*teatum* Fyson  
\* *E. eleanora*e Fyson  
\* *E. vanheurkii* Muell.-Arg.

## CYPERACEAE

- Cyperus albomarginatus* Mart. &  
Schrad.  
*C. arenarius* Retz.  
*C. bulbosus* Vahl  
*C. compactus* Retz.  
*C. difformis* Linn.  
*C. exaltatus* Retz.  
*C. iria* Linn.  
*C. kyllingia* Endl.  
*C. leucocephalus* Retz.  
*C. malabaricus* (Clke.) Cooke  
\* *C. metzii* (Hochst.) Mattf. &  
Kükenth.  
*C. michelianus* (Linn.) Link ssp.  
*pygmaeus* (Rottb.) Aschers. &  
Graebn.

*Cyperus nutans* Vahl var. *eleusinooides* (Kunth) Haines  
*C. pangorei* Rottb.  
*C. pumilus* Linn.  
*C. rotundus* Linn.  
*C. squarrosus* Linn.  
*C. tenuispica* Steud.  
*C. triceps* (Rottb.) Endl.  
*Eleocharis atropurpurea* Kunth  
*E. acutangula* (Roxb.) Schult.  
*Fimbristylis aestivalis* Vahl  
*F. bisumbellata* (Forsk.) Bub.  
*F. dichotoma* (Linn.) Vahl  
*F. falcata* (Vahl) Kunth  
*F. ferruginea* (Linn.) Vahl  
*F. littoralis* Gaud.  
*F. miliacea* (Linn.) Vahl  
*F. polythricioides* Vahl  
*F. spathacea* Roth  
*F. schoenoides* Vahl  
*F. tenera* Roem. & Schult.  
*F. tetragona* R. Br.  
*Fuirena ciliaris* (Linn.) Roxb.  
*Rhynchospora wightiana* (Nees)  
 Steud.  
*Scirpus articulatus* Linn.  
*S. grossus* Linn.f.  
*S. lateriflorus* Gmel.  
*S. maritimus* Linn.  
*Scleria tessellata* Willd. var.  
*biflora* Blatt. & McC.

## GRAMINEAE

*Aeluropus lagopodioides* (Linn.)  
 Trin. ex Thw.  
*Apluda mutica* Linn.  
*Arthraxon lancifolius* (Trin.)  
 Hochst.  
*Arundinella metzii* Hochst.  
*Bothriochloa pertusa* (Linn.)  
 A. Camus  
*Brachiaria ramosa* (Linn.) Stapf  
*Capillipedium filiculme* (Hook.f.)  
 Stapf

*C. huegelii* (Hack.) Camus  
*Chionachne koenigii* (Spr.) Thw.  
*Chloris barbata* (Linn.) Sw.  
 \* *C. montana* Roxb.  
 \* *C. quinquesetica* Bhide  
 \* *C. virgata* Sw.  
*Coix lachryma-jobi* Linn.  
*Cynodon dactylon* (Linn.) Pers.  
*Dactyloctenium aegyptiacum*  
 (Linn.) P. Beauv.  
*D. scindicum* Boiss.  
*Desmostachya bipinnata* (Linn.)  
 Stapf  
 \* *Digitaria adscendens* (H.B.K.)  
 Henrard  
 \* *D. adscendens* (H.B.K.) ssp.  
*adscendens* var. *criniformis*  
 Henrard  
*D. granularis* (Trin.) Henrard  
*D. longiflora* (Retz.) Pers.  
*D. stricta* Roth var. *stricta*  
 \* *D. timorensis* (Kunth) Balsana  
 ssp. *blepharophora* Henrard  
*Dimeria stapfiana* Hubb. ex Pilger  
*Diplachne fusca* (Linn.) Beauv.  
*Echinochloa colonum* (Linn.) Link  
*E. crus-galli* (Linn.) Beauv.  
*Eleusine indica* (Linn.) Gaertn.  
*Elytrophorus spicatus* (Willd.)  
 A. Camus  
*Eragrostis ciliaris* (Linn.) R. Br.  
*E. nutans* (Retz.) Nees  
*E. pilosa* (Linn.) Beauv.  
 \* *E. tef* (Zucc.) Trott.  
*E. tenella* (Linn.) Beauv.  
*E. tremula* (Lamk.) Hochst.  
*E. unioloides* (Retz.) Nees ex  
 Steud.  
*Eriochloa procera* Hubb.  
*Eulalia fimbriata* (Hack.)  
 O. Kuntze  
*Heteropogon contortus* (Linn.)  
 Beauv.  
 \* *Isachne dispar* Trin.

- I. globosa* (Thunb.) O. Kuntze  
 \* *Ischaemum goebelii* Hack.  
*I. indicum* (Houtt.) Merrill  
 \* *I. santapau* Bor  
*Iseilema laxum* Hack.  
*Melanocenchris jacquemontii*  
 Jaub. & Spach.  
*Ophiurus exaltatus* (Linn.)  
 O. Kuntze  
*Oplismenus burmannii* (Retz.)  
 Beauv.  
 \* *Oryza rufipogon* Griff.  
*O. sativa* Linn.  
 \* *Panicum psilopodium* Trin.  
 \* *P. psilopodium* Trin. var.  
*coloratum* Hk.f.  
*Paspalidium flavidum* (Retz.)  
 A. Camus  
 \* *Paspalum orbiculare* Forst.  
*P. scrobiculatum* Linn.
- Pennisetum typhoides* (Burm.f.)  
 Stapf & Hubb.  
*Pseudanthistiria heteroclita*  
 (Roxb.) Hook.f.  
*Pseudoraphis spinescens* (R.Br.)  
 Vickary  
*Saccharum spontaneum* Linn.  
*Sacciolepis interrupta* (Willd.)  
 Stapf  
*Setaria verticillata* Beauv.  
*S. glauca* (Linn.) Beauv.  
*S. intermedia* Roem. & Schult.  
 \* *S. pallide-fusca* (Schum.) Stapf  
*S. tomentosa* (Roxb.) Kunth  
 \* *Sporobolus capillaris* Miq.  
*S. marginatus* A. Rich.  
*Spinifex littoreus* (Burm.f.)  
 Merrill  
*Themeda quadrivalvis* Linn.  
*T. triandra* Forsk.

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